



FortiSwitch 3032D

Register for Support

Register your Fortinet product to receive:

- Technical Support
- New product features
- Protection from new threats

Vous devez enregistrer le produit pour recevoir:

- Support technique
- Nouvelles fonctionnalités du produit
- Protection contre de nouvelles menaces

La reistrazione ti permette di usufruire di:

- Supporto Tecnico
- Nuove funzionalità
- Protezione dalle ultime minacce

Debe registrar el producto para recibir:

- Apoyo técnico
- Nuevas funcionalidades del producto
- Protección contra ataques

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本日、フォーティネット製品の登録をしてください。

登録すると次のメリットがあります。

テクニカルサポート・新機能の追加・新しい脅威への防御

请马上注册

您的飞塔产品

您在注册以后才能得到技术支持、新产品特点信息、最新威胁防护



August 10, 2017

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<https://support.fortinet.com>

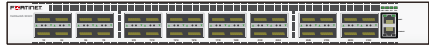
Toll free: 1 866 648 4638

Phone: 1 408 486 7899

Fax: 1 408 235 7737

Email: register@fortinet.com

Box Includes



FortiSwitch 3032D



QuickStart Guide



2 Power Cables



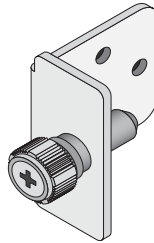
Console Cable



Ethernet Cable



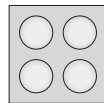
Sliding Rail Kit



2 Bracket Ears



6 Bracket Screws



4 Rubber Feet

Before You Begin

Write down details that you may need from your network administrator or ISP.

DSL PPPoE

Username

Password

Cable Modem DHCP

It is normal to not require a hostname, but your ISP may require it.

Hostname

Static IP address

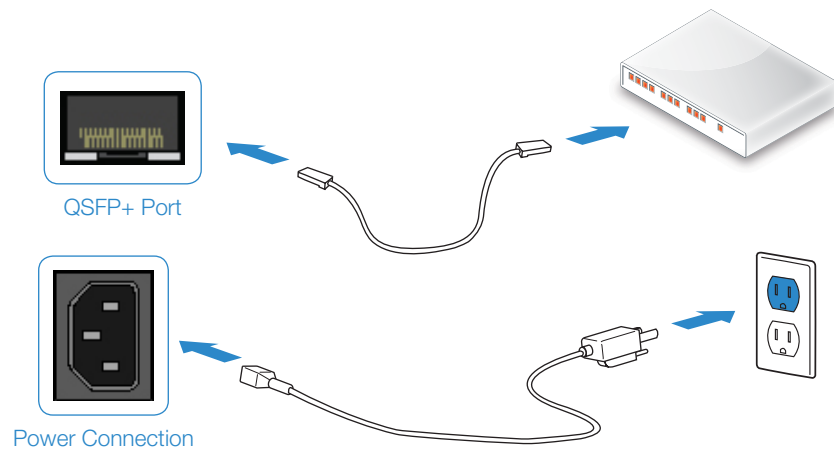
IP Address

Subnet Mask

Default Gateway

Primary/Secondary DNS

1 Basic Connections



Connect your device to a [power outlet](#) using the provided power cable and to [network appliances](#) using appropriate [QSFP+ transceivers](#) and cables as required.

2 Setup Options

A

Web Browser

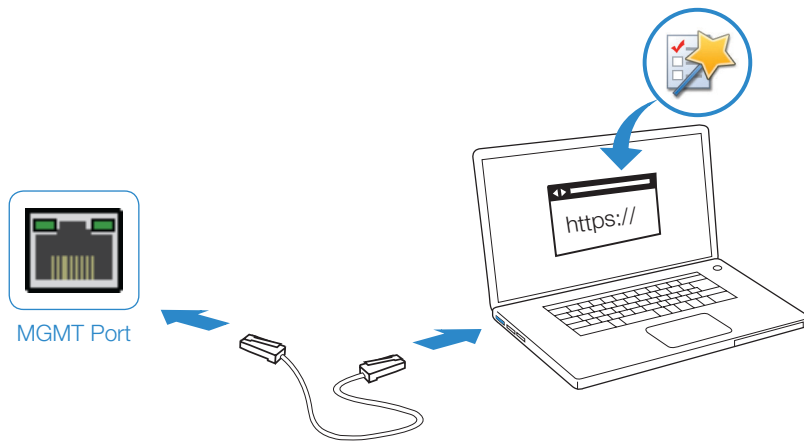
Setup Wizard (p.8)

B

Terminal Emulation

With console cable (p.9)

A Web Browser with Ethernet cable



GUI

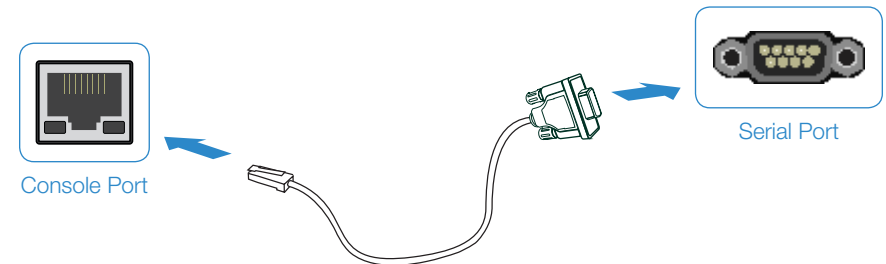
1. Connect an [Ethernet cable](#).
2. Configure the management computer to be on the same [subnet](#) as the internal interface as the FortiSwitch unit:

IP address: 192.168.1.XXX

Netmask: 255.255.255.0

3. Visit [192.168.1.99](#) in your web browser.
4. Login using username "[admin](#)" and [no password](#).
5. [Configure your device](#) and save your settings.
6. [Register your device](#) from the dashboard page.

B Terminal Emulation with Console Cable



To Connect to the CLI

1. Connect the device's [console port](#) to the management computer using the provided [console cable](#).
2. Start a [terminal emulation program](#) on the management computer, select the [COM port](#), and use the following settings:

Baud Rate: 115200

Data bits: 8

Parity: None

Stop bits: 1

Flow Control: None

3. Press [Enter](#) on your keyboard to [connect to the CLI](#).
4. Login using username "[admin](#)" and no password. You can now proceed with configuring your device.

Get started by typing ["?"](#) for a list of available [commands](#).

Begin typing a command then type ["?"](#) for a list of available ways to complete. For example ["config ?"](#) will show the lowest level of configuration options.

3 Installation

The FortiSwitch unit can be mounted in any standard **19 inch rack** unit with the provided mounting hardware, or surface mounted with the provided rubber feet.

Please read the “Cautions and Warnings” on page 10 prior to installing your device.

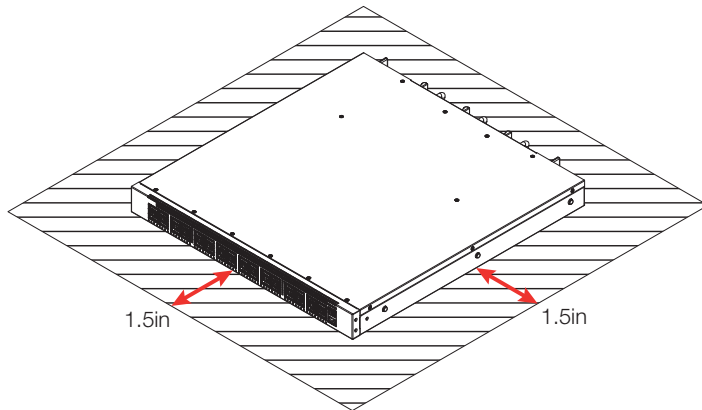
Caution: Electrostatic discharge (ESD) can **damage** your Fortinet equipment.

To avoid personal **injury** or **damage** to the unit, it is recommended that **two or more people** install the unit into the **rack**.

Do not place **heavy objects** on the unit.

Surface-Mount Installation

1. Ensure that the surface onto which the FortiSwitch unit to be installed is **clean**, **level**, and **stable** and that there is at least 1.5in (3.8cm) of clearance on all sides to allow for **adequate airflow**.
2. Attach the provided **rubber feet** to the bottom of the unit.
3. Place the unit in the designated location.
4. Verify that the **spacing** around the unit conforms to requirements and that the unit is level.

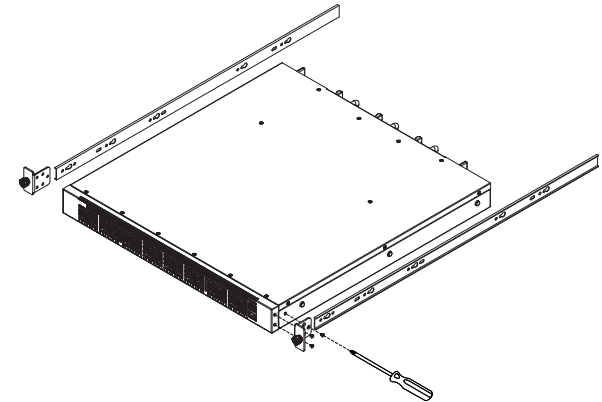


5. Plug the supplied cables into the rear of the unit and into separate power sources, such as **uninterruptible power supplies** (UPS) or **power distribution units** (PDU).

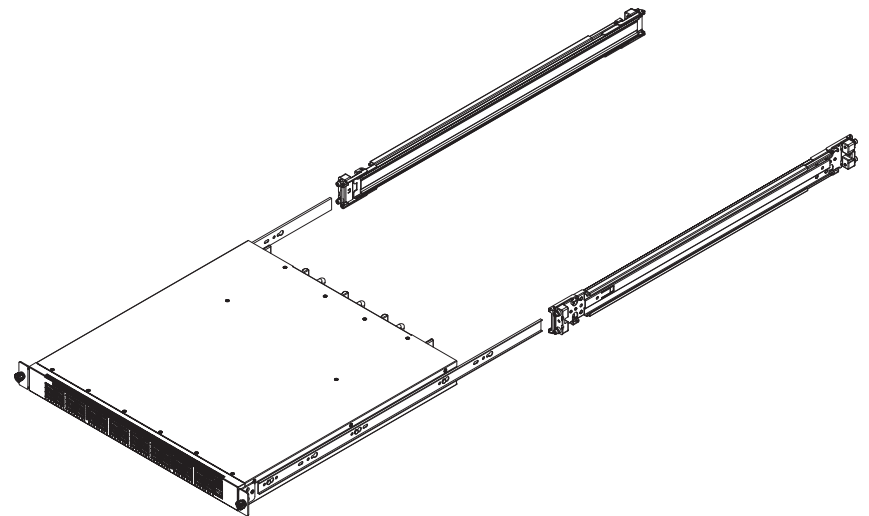
Note: Each power cable should be connected to a **different power source**. In this way, if one power source fails, the other may still be operational and the unit will not lose power.

Rack-Mount Installation

1. Using the supplied hardware, attach the **inner slide rails** to each side of the **unit**, and attach the **outer slide rails** to the **rack**.
2. Attach the **front handles** to each side of the unit using the **bracket screws**.



3. Ensure there is enough room around the unit to allow for sufficient **air flow**.
4. Slide the unit into your equipment rack.



5. Plug the supplied cables into the rear of the unit and into separate power sources, such as **uninterruptible power supplies** (UPS) or **power distribution units** (PDU).

Fan

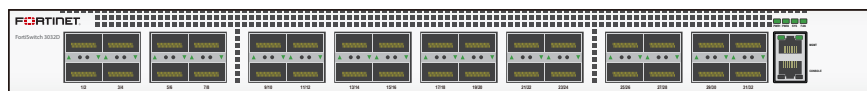
- Green: Normal
- Yellow: Fan has failed

System

- Green: Normal
- Flashing Green: Booting up
- Red: Major alarm
- Off: The unit is off

Power 1 & 2

- Green: Normal
- Flashing Yellow: Power supply has failed
- Off: The unit is off



QSFP+ Ports

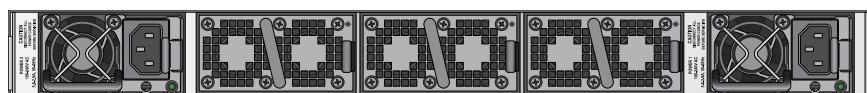
- Green: Connected
- Flashing Green: Transmitting & receiving data
- Off: No link established

Ethernet Ports Link/Activity

- Flashing Green: Transmitting & receiving data
- Off: No link established

Ethernet Ports Speed

- Green: Connected at 1Gbps
- Yellow: Connected at 10/100Mbps
- Off: Not connected

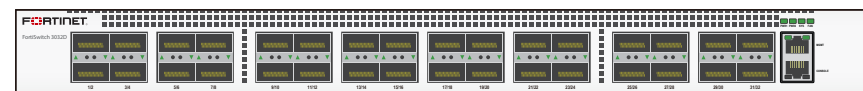


Power Supplies

- Green: AC input okay
- Yellow: Power lost; parallel power supply still has power
- Off: No power

MGMT Port (RJ-45)

Client port for management.
Default IP address is 192.168.1.99

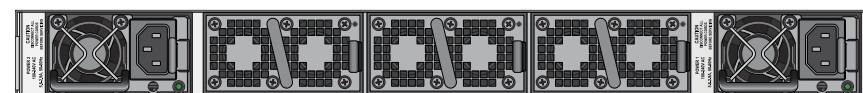


QSFP+ Ports (1-32)

40Gbps quad small-form-factor pluggable transceiver ports.

Console (RJ-45)

Optional connection to the management computer. Provides access to the CLI



Power

100-240V AC, 5.8-2.9 A, 50-60Hz
redundant power supplies

Cautions and Warnings

Environmental Specifications

Operating Temperature – If this device is installed in a closed or multi-unit rack assembly, the rack's ambient temperature may be greater than the room's ambient temperature. Make sure the rack environment is compatible with the manufacturer's maximum rated ambient temperature (T_{max}).
Température ambiante élevée — Si cet appareil est installé dans un cabinet fermé, la température ambiante du cabinet peut être supérieure à la température ambiante de la pièce. Assurez-vous que l'environnement dans le cabinet est compatible avec la température ambiante maximale du fabricant (T_{max}).
Air flow – For rack installation, make sure that the amount of air flow required for safe operation of the equipment is not compromised. For free-standing installation, make sure that the appliance has at least 2 inches (5 cm) of clearance on each side to allow for adequate air flow and cooling.
Ventilation – Pour une installation dans un cabinet, assurez-vous que la ventilation nécessaire au fonctionnement de l'équipement n'est pas compromise.
Pour une installation autonome, assurez-vous que l'appareil dispose d'au moins 2 pouces (5 cm) de dégagement de chaque côté pour permettre l'écoulement de l'air et un refroidissement adéquat.
Circuit overloading – To avoid overloading, use the ratings on the label. Consider the equipment's connection to the supply circuit and the effect that circuit overloading might have on current protection and supply wiring.
For redundant power sources, connect each to an IEC/UL Listed power source whose output rating is greater than or equal to the equipment.
Surtension – Pour éviter de surcharger le circuit d'alimentation, référez-vous aux notes sur l'étiquette de l'équipement. Envisagez l'effet que la surtension du circuit pourrait avoir sur la protection de surtension et le câblage d'alimentation.
Pour les sources d'alimentation redondantes, connectez chacun à une source d'alimentation Mis CEI / UL dont la cote de rendement est supérieur ou égal à l'équipement.
Reliable earthing – Make sure all rack-mounted equipment is grounded. This includes supply connections (e.g., power strips), not only direct connections to the branch circuit.
Mise à la terre – Assurez-vous que tout l'équipement est mis à la terre. Ceci comprend les connexions d'alimentation (par exemple, les barres d'alimentation) en plus des connexions directes au circuit de dérivation.
Interference – If possible, use Shielded Twisted Pair (STP) Ethernet cables instead of Unshielded Twisted Pair (UTP).
Interference – Si possible, utilisez des câbles Ethernet de paire torsadée blindée (STP) plutôt que de paire torsadée non blindée (UTP).
Mechanical loading – To avoid personal injury or damage to the appliance, Fortinet recommends that 2 or more people together install the appliance into the rack. Balance the equipment to avoid uneven mechanical loading and tipping. Do not place heavy objects on the appliance.
Installation – Pour éviter des blessures ou des dommages à l'appareil, Fortinet recommande que deux personnes ou plus installent ensemble cet équipement dans un cabinet. L'installation du matériel à l'intérieur de la baie doit être effectuée de façon à éviter toute situation dangereuse liée à une installation non conforme. Ne placez pas d'objets lourds sur l'appareil, celui-ci n'étant pas conçu pour soutenir un poids additionnel.

Refer to specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature, Humidity, and Altitude).

Safety

Moving parts — Hazardous moving parts. Keep away from moving fan blades.
Pièces mobiles – Pièces mobiles dangereuses. Se tenir éloigné des pales de ventilateurs mobiles.

Battery – Risk of explosion if the battery is replaced by an incorrect type. Do not dispose of batteries in a fire. They may explode. Dispose of used batteries according to your local regulations. IMPORTANT: Switzerland: Annex 4.10 of SR814.013 applies to batteries.

Batterie – Risque d'explosion si vous remplacez la batterie par un modèle incompatible. Jetez les piles usagées selon les réglementations locales en vigueur. IMPORTANT: Suisse: Annexe 4.10 de SR814.013 s'appliquant aux batteries.

警告
本電池如果更換不正確會有爆炸的危險
請依製造商說明書處理用過之電池

Caution: Disconnect power supply cords before servicing
Attention: Débranchez les cordons de la source d'alimentation avant tout entretien.

Regulatory Compliance

Federal Communication Commission (FCC) – USA

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received; including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

WARNING: Any changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Industry Canada Equipment Standard for Digital Equipment (ICES) – Canada

CAN ICES-3 (A) / NMB-3 (A)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

Product Safety Electrical Appliance & Material (PSE) – Japan

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Voluntary Control Council for Interference (VCCI) – Japan

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Bureau of Standards Metrology and Inspection (BSMI) – Taiwan

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The presence conditions of the restricted substance (BSMI RoHS table) are available at the link below:
<https://www.fortinet.com/bsmi>

China

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European Conformity (CE) - EU

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



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